

Aerial photography shown on this sheet, obtained October 8, 1979, covers parts of the Rocky Creek, Cypress Creek, Curiosity Creek, and Sweetwater Creek basins. The inundation area boundary around staged lakes was outlined on the 1-foot contour maps at the recorded maximum stage. The inundation area boundary around staged lakes and low-lying depressions were based on observed high-water marks or were estimated from the difference in altitude of the water on the date of photography and the maximum stage recorded on nearby gaged lakes. About 10 percent of the photography area, along the west edge, is in the Rocky Creek basin; about 20 percent, in the northeast corner, is in the Cypress Creek basin; about 20 percent, in the southeast corner, is in the Curiosity Creek basin; and about 50 percent, in the southwest corner, is in the Sweetwater Creek basin. The State of Florida has map data showing location of the study area and an index map above location of the area covered by this sheet and the other 11 inundation maps in this report.

Large developments, Avila (fig. 3, sheet 1), is located near the southwest corner of this sheet. Parts of other developments covered by this sheet are: Orange Grove Estates, Country Lakes, Point-to-Point, Villages, Highland Oaks, Bearss, Settlers Point, and Bearss Glen. A number of private residences are located near Lake Magdalene. A number of residences are located near Lake Magdalene and in areas adjacent to Lake Magdalene and Platt Lake. Aerial photography of other areas near Platt Lake and Lake Magdalene are shown on sheets 8, 10, and 11. There are no known flooding of homes in the area covered by this sheet.

All lake stages are in feet above the National Geodetic Vertical Datum of 1989 (NGVD of 1989). Stage records have been collected on Chapman Lake since 1971, and on Lake Magdalene since 1946 (later 17, and 18, fig. 1, table 4). Records for 1946-66 and 1971-79 are shown in figure 30 and 31, respectively. Stage hydrographs for Platt Lake and high stages in May, August, and September. The 1979 stages for Lake Magdalene recorded maximum recorded stage for May, August, and September, but the maximum stage of record, 51.88 feet, occurred March 1960. The maximum 1979 stage for Lake Magdalene of 50.80 feet occurred on September 27 and 28 and is reported in the inundation maps on every 10 feet, on the average, according to the stage-frequency curve shown in figure 30. Maximum 1979 stages for Platt and Chapman Lake since 1971 and 17, fig. 1, table 4, occurred in September and are the highest for those periods of record. Records obtained for the 1979 maximum stage for Platt Lake near Lutz, but the maximum stage was not determined because of short records. Flooding in other areas in the Rocky Creek, Cypress, and Curiosity Creek basins is shown on sheets 2-4 and 10, sheets 7, 8, and 10-13; sheets 3, 4, and 7; and sheets 11 and 13, respectively.

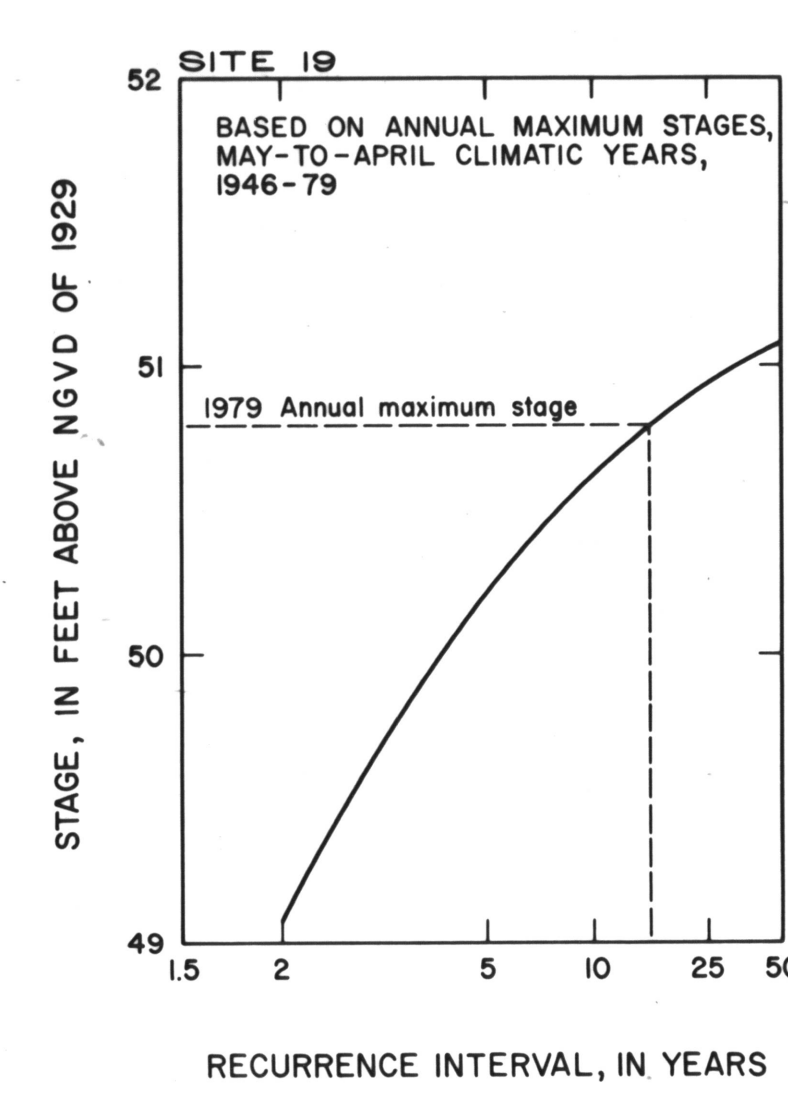


Figure 30.—Stage-frequency curve for Lake Magdalene near Lutz.

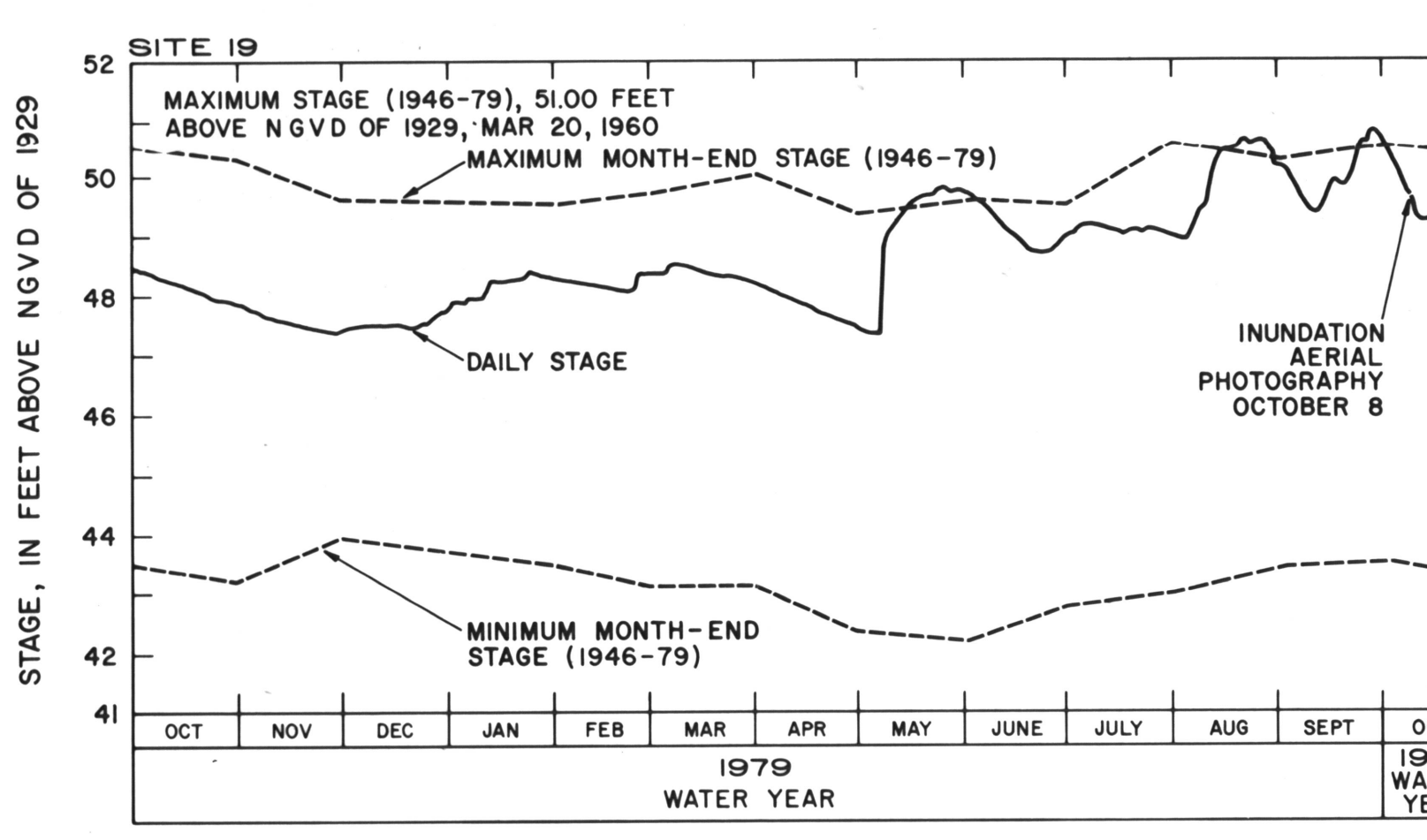


Figure 29.—Stage hydrographs for Lake Magdalene near Lutz.

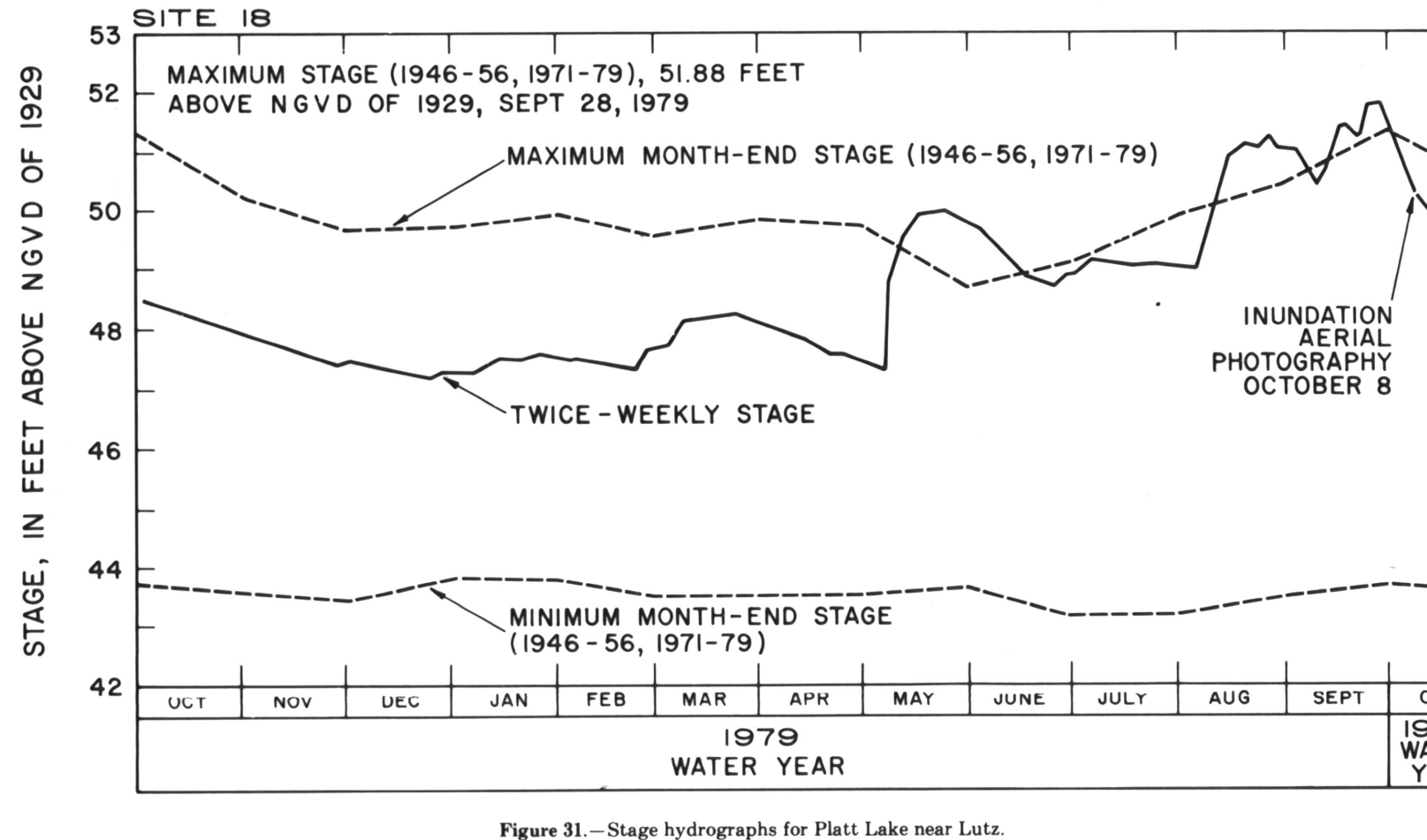
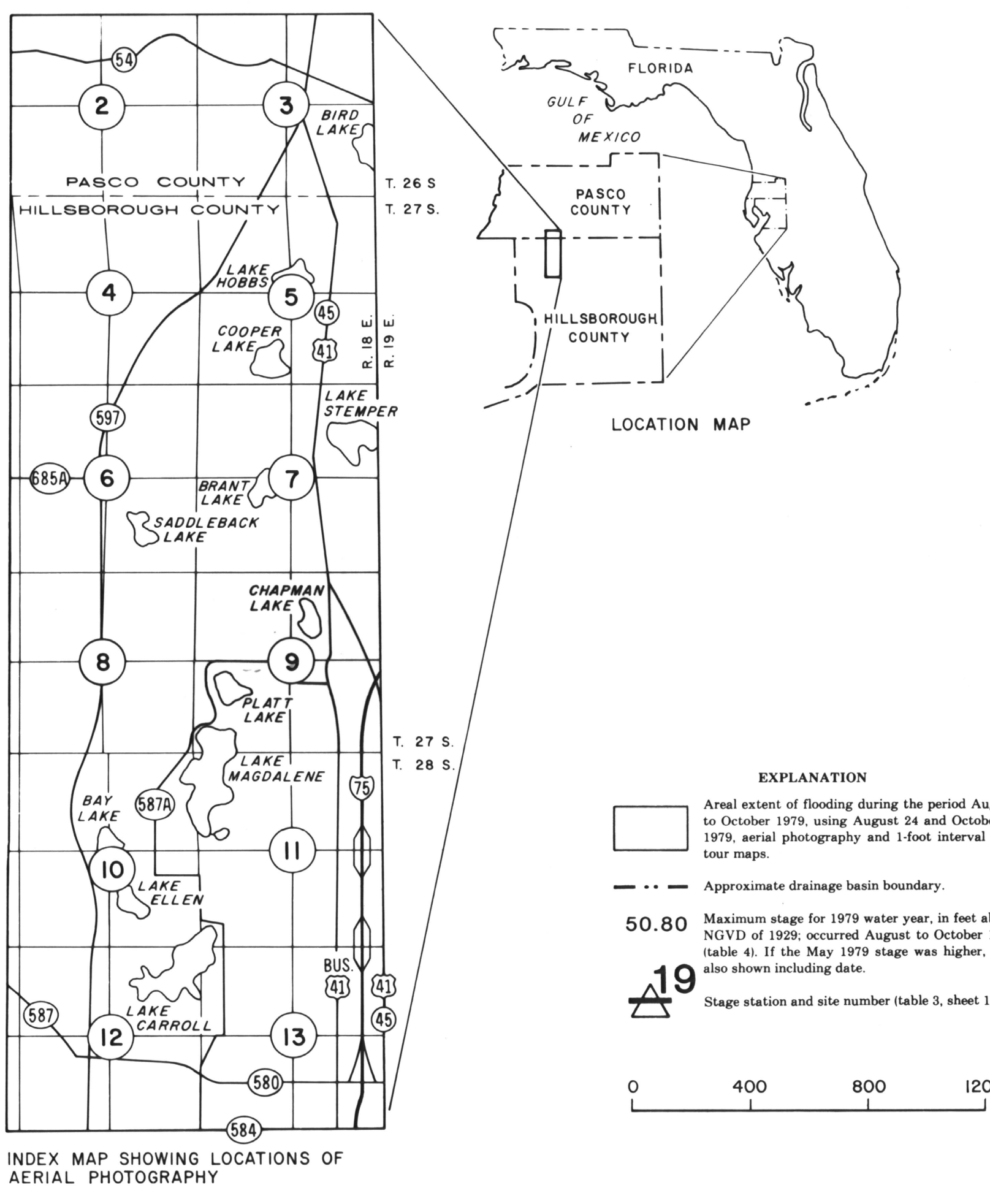


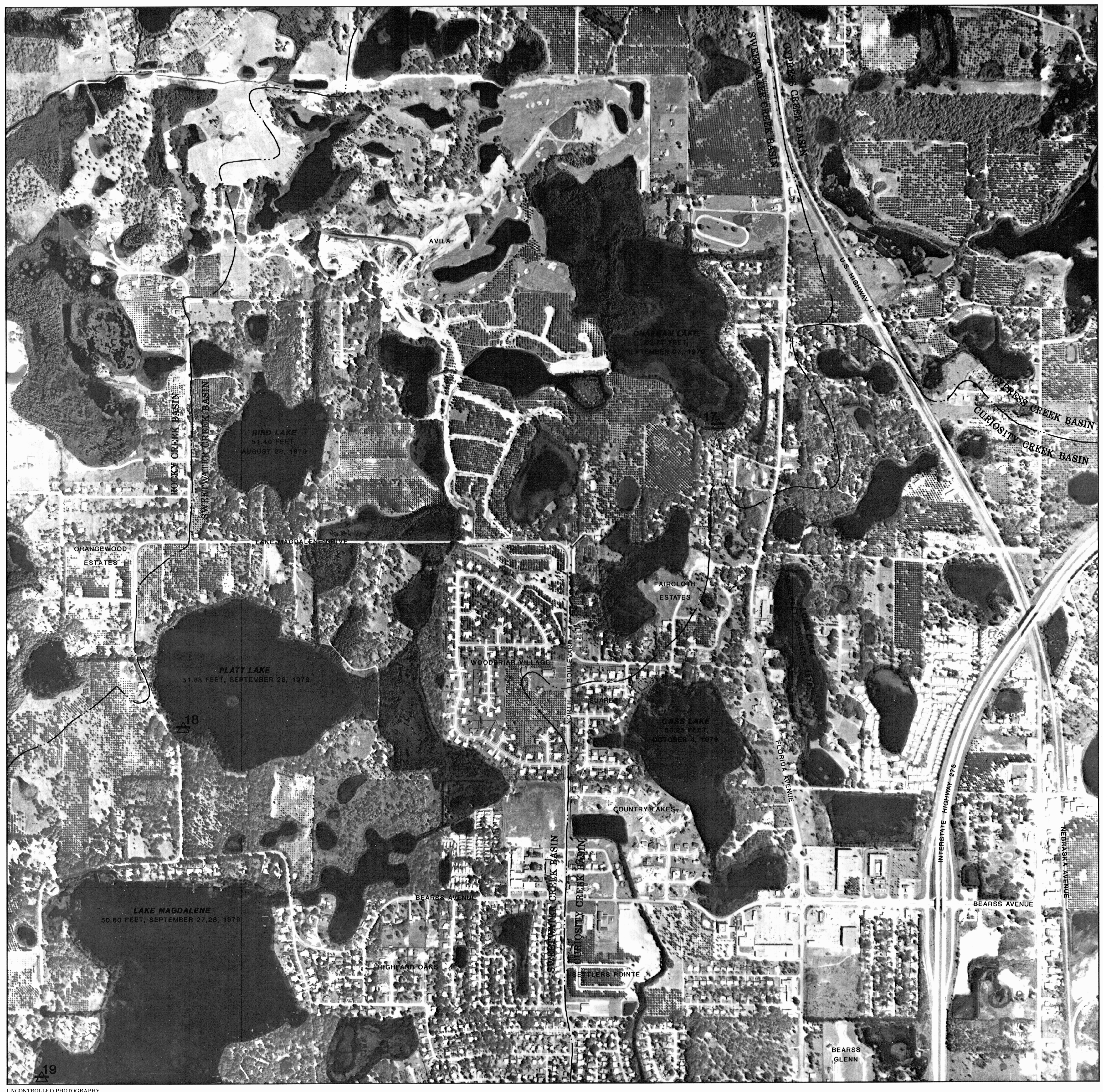
Figure 31.—Stage hydrographs for Platt Lake near Lutz.



FLOOD DELINEATION BY SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT USING PHOTOGRAMMETRIC METHODS

AERIAL PHOTOGRAPHY BY KUCERA AND ASSOCIATES, INC. (SHEETS 2-11, OCTOBER 8, 1979) AND ABRAM AERIAL SURVEY (SHEETS 12, 13, OCTOBER 5, 1979)

UNDER CONTRACT WITH SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT



UNCONTROLLED PHOTOGRAPHY